WICATsystems

WICAT SYSTEMS: MG8000 Graphics Terminal

GENERAL FEATURES

- 12" Display Monitor
- Z8000 Microprocessor based
- RS-232C Serial I/O Interface
- RS-232C Printer Interface
- Parallel I/O Interface
- Touch Panel (optional)

GRAPHICS FEATURES

- 400x300 Graphics Resolution
- High Level Graphics Commands
  - lines, curves, arcs and circles
  - graphics text
  - pattern fill
  - relative and absolute addressing
- Object Definition and Relocation

TEXT FEATURES

- 25x80 characters
- 7x9 characters in a 10x12 cell
- Full 128 ASCII Character Set
- Alternate Loadable Character Set
- Alternate EPROM Character Set
- ANSI X3.64 Compatible
- Half Intensity/Reverse Video/Blink/Blank/Underscore

The WICAT MG8000 monochrome graphics terminal brings to the market serious graphics capabilities at a very affordable price.

In addition to a standard 128 ASCII character font, this Z8000 based ANSI X3.64 compatible terminal offers two user definable character fonts (one of which is loadable). Also included are: 10x12 character cell size, character by character display emphasis, and a rich set of graphics capabilities.

The graphics features include 400x300 pixel resolution, two independent graphics planes for animation purposes, and a set of commands to draw lines, curves, arcs, circles, and text.

With the MG8000's local memory, objects can be defined and relocated internally without host retransmissions. Further, with the two independent graphics planes, one plane can be displayed while the other plane is being modified so that an animated effect is achieved.

Although the terminal can communicate using the normal RS-232C asynchronous conventions, it also has a parallel interface that can be used in the place of the serial channel for very high speed communications.

The MG8000 is an ideal terminal for computer-based training, animation, business graphics, CAD/CAM, process control, and scientific applications. WICAT's commitment to customer satisfaction provides for international maintenance that promises to keep you up and operating. The WICAT MG8000 succeeds in providing powerful local graphics capabilities with medium range resolution at a very low cost.

TIMING

Processor Clock:

4MHz

Bus Architecture:

Proprietary

Serial I/O Rate:

External Clock RS-232C 50 to 19.2K Baud

Parallel I/O Rate:

Up to 35K byte per second (optional)

ENVIRONMENTAL AND SAFETY

Safety:

Designed to meet UL 478 (EDP) and 114 (Office Equipment)

Designed to meet CSA 154 (EDP) and 143 (Office Equipment)

EMI:

Designed to meet US FCC Rules and Regulations, Part 15, Subpart J, Class A

Altitude with Mass Storage:

−1000 to 10,000 ft.

Temperature Operating:

5-30°C/40-85°F

Temperature Non-Operating:

−40-60°C/−40-140°F

Humidity:

20-80% Non-condensing

ELECTRICAL

AC Power Capacity:

47-63 Hz

Voltage:

Either 95-130 VAC or 190-260 VAC User Selectable

Power Supply Efficiency:

50% typ.

DC Power Capacity:

+ 5 Volts:	4.0 Amps
+12 Volts:	1.5 Amps
−12 Volts:	.5 Amps

PHYSICAL

Height	16"
Width	16"
Depth	16½"
Weight	30 lbs.

RELIABILITY

MTBF is approximately 8000 operating hours